

Supplementary Information

Tunable phosphate-mediated stability of Ce^{3+} ions in cerium oxide nanoparticles for enhanced switching efficiency of their anti/pro-oxidant activities

Tamaki Naganuma*^a

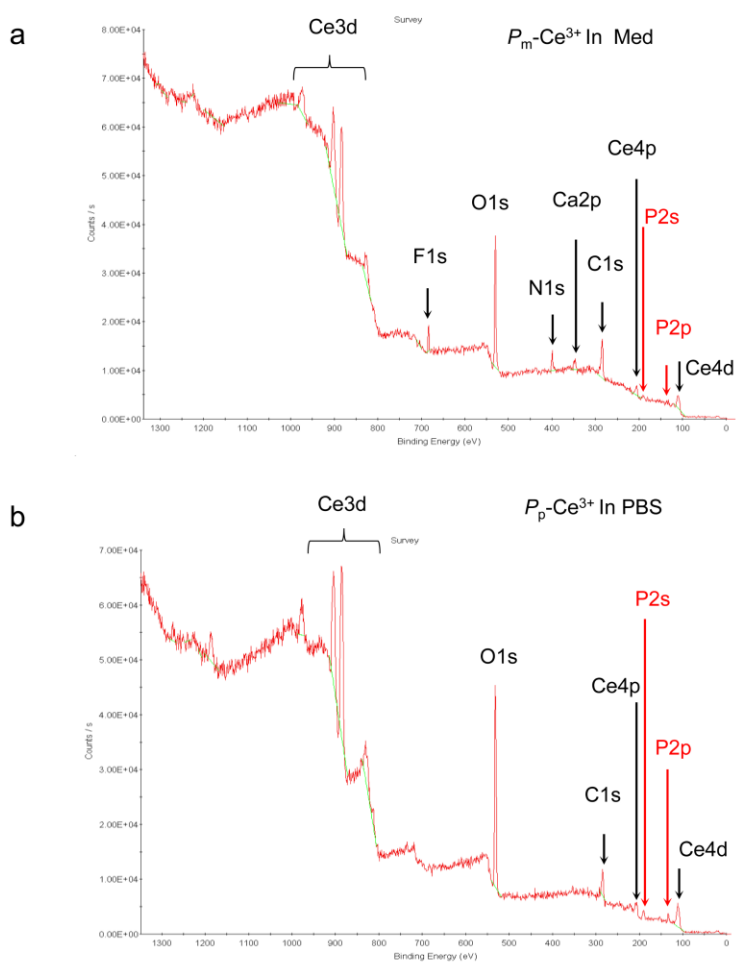


Figure S1. Survey spectra: (a) $P_m\text{-Ce}^{3+}$ ions in Med-treated $V_o\text{-CNPLs}$; and (b) $P_p\text{-Ce}^{3+}$ ions in PBS-treated $V_o\text{-CNPLs}$. Specific peaks corresponding to F, N and Ca were observed after Med-treatment, whereas peaks corresponding to P (phosphorus) only was detected as a common adsorbed element on both Med/PBS-treated $V_o\text{-CNPLs}$ (note: except Ce, O and C).